LED MOVING HEAD SERIES

iShow 3010 QZ
USER'S MANUAL

THANK-YOU

First of all, we thank you for having chosen our LED moving head zoom wash iShow 3010 QZ. This device is a great and reliable led moving head with zoom function that can meet most of your requirements for professional lighting markets. It has been thoroughly tested and shipped in perfect condition. It can be just plug-and-play, and also can be controlled via standard DMX512 for sophisticated requirements.

All of our products are made on our business philosophy:

- we believe that satisfied customers are the key to a successful business and that controlled growth is the only path to sustained profitability.
- We believe that there is no point in supplying products that are substandard or inadequate. In the long run, it never pays

You can always rely on us.

Thanks again!
W&T team

CATALOG

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WARNING

Safety Instructions:

This product guide contains important information about the safe installation and use of this projector. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

When unpacking and before disposing of the carton, check there is no transportation damage before using the projector. Should there be any damage caused by transportation, consult your dealer and do not use the apparatus.

The projector is for indoor use only. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other liquids. The projector is not designed or intended to be mounted directly on to inflammable surfaces.

The projector is only intended for installation, operation and maintenance by qualified personnel.

The projector must be installed in a location with adequate ventilation, at least 50cm from adjacent wall surfaces. Be sure that no ventilation slots are blocked.

Do not project the beam onto inflammable surfaces, minimum distance is 5m. 5m

Do not attempt to dismantle and/or modify the projector in any way.

Electrical connection must only be carried out by qualified personnel.

Before installation, ensure that the voltage and frequency of power supply match the power requirements of the projector.

It is essential that each projector is correctly earthed and that electrical installation conforms to all relevant standards.

Do not connect this device to any other types of dimmer apparatus.

Make sure that the power-cord is never crimped or damaged by sharp edges. Never let the power-cord come into contact with other cables. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

The projector should always be installed with a secondary safety fixing. A safety cord is supplied for this; it should be attached as shown in "installing the projector" section.

There is no user serviceable parts inside the projector do not open the housing and never operate the projector with the covers removed.

This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.

The maximum ambient temperature t_a = 45°C must never exceeded.

The relative humidity must not exceed 50% with an ambient temperature of 45°C.

If this device is operated in any other way other than the one said in this manual, this device may suffer damages and thus the warranty becomes void.

Always disconnect from the mains, when the device is not in use or before cleaning it or before attempting any maintenance work.

If you have any questions, don't hesitate to consult your dealer.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

CAUTION! EYE DAMAGES!

Avoid looking directly into the light source,

Meant especially for epileptics!

PLEASE recycle the shipping carton whenever possible.

Rigging

Concerning rigging, trussing for this device, please follow the European and national guidelines.

Only the qualified technicians are allowed for the device installation,

The device must never be mounted for a possible swinging position, and a safety cord attached must always be used.

IMPORTANT:

Improper installation can lead to serious damage to people and property.

This device is not supplied with a plug, and it has an open power cable. So when connecting the device to the mains with a power plug, ensure that the right color cable is connected to the right place. The following table is for your reference.

International	EU Cable	The U.K. Cable	US Cable	Pin
L	Brown	Red	Yellow/ Copper	Fase
N	Blue	Black	Silver	Nul
⏚	Yellow/Green	Green	Green	Earth

IMPORTANT

Please ensure that the device is always connected to the earth properly.

PRODUCT OVERVIEW

iShow 3010 QZ is a new led moving head wash with zoom function. It is equipped with 30 pcs 10W RGBW quad-color LEDs. With this fixture you now can make 10~60° stepless zoom. It can produce extremely high light output. This fixture can create excellent color mixing with highly even and uniform distribution of brightness and light output.

iShow 3010 QZ comes with preset programs which can be trigged at sound activation mode. It can also produce seamless dimming, fast/random strobe (1-20FPS). Other features includes 540° Pan (16 bit) and 270° Tilt (16 bit), quiet operation, preset color micros, color temperature adjustable, overheat protection, compact modular design.

This fixture can also make random strobe. When running in Master/Slave mode, fixtures can make strobe synchronously and asynchronously with speed control. The fixture can also make strobe while dimming;

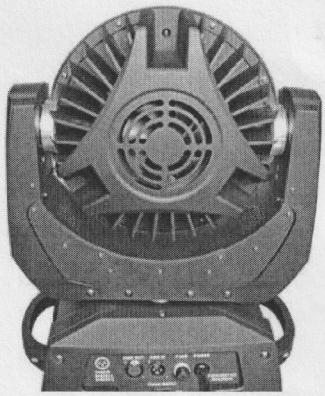
This fixture has multiple control modes. It can be controlled with any standard DMX 512 consoles. It is equipped with 3-pin XRL DMX ports. With the built-in pre-programs, it can also run at master/slave mode. For easier control, just run it with sounds around you.

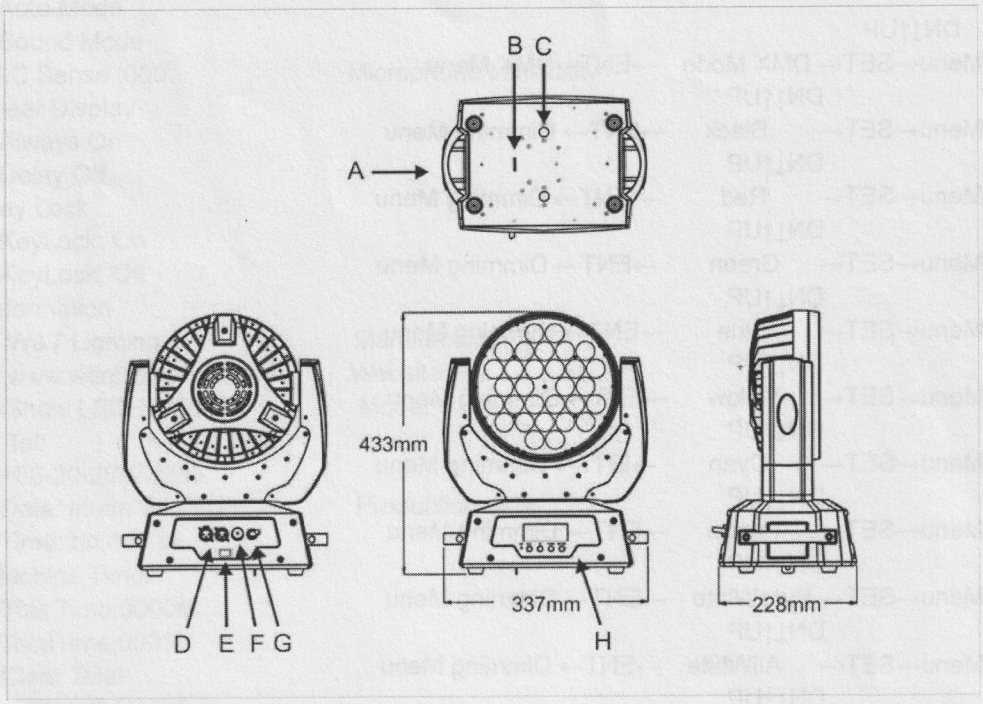
The fixture can be set up to go into sleeping mode when it receives no DMX control. Users can set up the time between 1 to 99 minutes; In this way, the fixture, especially the leds, will generate less heating, thus to extend fixture life.

iShow 3010 QZ is highly compact. It is an ideal tool for many applications: TV studio, theater, night clubs, bars, shops, cruise ships, KTV rooms, restaurants etc...

Front view

Back view





A. Carrying handle
B. Safety cable hole
C. Installation holes
D. DMX IN socket/ DMX OUT socket
E. Power switch
F. Fuse holder
G. Power supply
H. Control panel

SETUP AND OPERATION

Power Supply

This fixture uses switch power supply, and can automatically match all voltage worldwide. No need to worry about the voltage anywhere.

LCD Display Setup

There are four touch buttons under the LCD display: ESC/SET, UP, DOWN and ENTER. Please follow up the following instructions to set up your fixtures.

1. Menu navigation

DN↓↑UP
Set Menu←SET← DMX Mode →ENT→DMX Menu
DN↓↑UP
Set Menu←SET← Black →ENT→ Dimming Menu
DN↓↑UP
Set Menu←SET← Red →ENT→ Dimming Menu
DN↓↑UP
Set Menu←SET← Green →ENT→ Dimming Menu
DN↓↑UP
Set Menu←SET← Blue →ENT→ Dimming Menu
DN↓↑UP
Set Menu←SET← Yellow →ENT→ Dimming Menu
DN↓↑UP
Set Menu←SET← Cyan →ENT→ Dimming Menu
DN↓↑UP
Set Menu←SET← Purple →ENT→ Dimming Menu
DN↓↑UP
Set Menu←SET← PureWhite →ENT→ Dimming Menu
DN↓↑UP
Set Menu←SET← AllWhite →ENT→ Dimming Menu
DN↓↑UP
Set Menu←SET← Marco 1 →ENT→ Macro Menu
DN↓↑UP
Set Menu←SET← Marco 2 →ENT→ Macro Menu
DN↓↑UP
Set Menu←SET← Marco 3 →ENT→ Macro Menu
DN↓↑UP
Set Menu←SET← Marco 4 →ENT→ Macro Menu
DN↓↑UP
Set Menu←SET← Marco 5 →ENT→ Macro Menu
DN↓↑UP
Set Menu←SET← Marco 6 →ENT→ Macro Menu
DN↓↑UP
Set Menu←SET← Marco 7 →ENT→ Macro Menu
DN↓↑UP
Set Menu←SET← Marco 8 →ENT→ Macro Menu
DN↓↑UP
Set Menu←SET← Marco 9 →ENT→ Macro Menu
DN↓↑UP

2. Set Menu

Set Menu
├Reload Default
│ ├[On] Off
│ └ On [Off]
├Reset Machine
│ ├[On] Off
│ └ On [Off]
├Master & Alone
│ ├Master Mode
│ └Alone Mode

- Auto & Sound
  - Auto Mode
  - Sound Mode
- MIC Sense :000 — Microphone sensibility
- Clear Display
  - Always On
  - Delay Off
- Key Lock
  - KeyLock: On
  - KeyLock: Off
- Information
  - W&T Lighting — Manufacturer
  - www.wtintl.net — Website
  - iShow LEDHC-3800 — Model
  - Tel:
  - +86-20-39975288
  - Data: mmm dd yyyy — Production data
  - Time: hh:mm:ss
- Machine Timer
  - This Time:0000M
  - TotalTime:0000H
  - Clear Total
    - ClearTotal:OK
    - ClearTotal:NO
- LED Smooth
  - LED Smooth:ON
  - LED Smooth:OFF
- ID Code:Disable, 001-250
- Remote Command
  - Operate Object
    - Lamp Device
    - Controller
  - ID Code Write
    - StartID
    - Quantity
    - TerminalID
    - Scene
    - Writing
  - Auto DMX Addr
    - Start Addr
    - Writing
  - Manu DMX Addr
    - Start Addr
    - AddrIntval
    - Writing
  - NoID Remote Command
    - DMX Addr
      - Start Addr
      - Writing
    - ID Code
      - StartID
      - ID Intval
      - Writing
    - Reload Device
      - [On] Off

```
||   └On   [Off]

├LED Temperature                    *** Please refer to the note below.
| ├Capture:000
| | └Temp Capture:000
| |   ├  [Yes]     No
| |   └   Yes     [No]
| └Set:000
├Fan
| ├Auto Fan
| | ├Fan Stop
| | ├Low Speed
| | ├Middle Speed
| | └High Speed
| ├Fan Stop
| ├Low Speed
| ├Middle Speed
| ├High Speed
| └Fan Set
|   ├Temp Set
|   | ├Low Temp
|   | | ├Capture:000
|   | | |  ├  [Yes]   No
|   | | |  └   Yes    [No]
|   | | └Temp Set:000
|   | ├Middle Temp              same as Low Temp
|   | └High Temp                same as Low Temp
|   ├Speed Set
|   | ├Low Speed:000
|   | ├Middle Speed:000
|   | └High Speed:000
```

****** Temperature from which LED current starts to reduce, and under which LED current is not affected by temperature***

3 DMX Setup Menu

```
DMX Menu
 ├DMX Address:001
 ├Channels Select
 | ├Select:  1Ch
 | ├Select:  3Ch
 | ├Select:  5Ch
 | └Select:  7Ch
 |
 ├Channels Select
 | ├DMX Mode 1
 | | ├Dimmer
 | | | ├value     :000
 | | | └Channel   :000
 | | ├Strobe
```

| | | ├value :000
| | | └Channel :000
| | ├Main Channel
| | | ├value :000
| | | └Channel :000
| | ├Speed
| | | ├value :000
| | | └Channel :000
| | ├Red
| | | ├value :000
| | | └Channel :000
| | ├Green
| | | ├value :000
| | | └Channel :000
| | ├Blue
| | | ├value :000
| | | └Channel :000
| | ├White
| | | ├value :000
| | | └Channel :000
| | ├Pan
| | | ├value :000
| | | └Channel :000
| | ├Pan Fine
| | | ├value :000
| | | └Channel :000
| | ├Pan Speed
| | | ├value :000
| | | └Channel :000
| | ├Tilt
| | | ├value :000
| | | └Channel :000
| | ├Tilt Fine
| | | ├value :000
| | | └Channel :000
| | ├Tilt Speed
| | | ├value :000
| | | └Channel :000
| | ├Focus
| | | ├value :000
| | | └Channel :000
| | ├Focus Fine
| | | ├value :000
| | | └Channel :000
| | └Focus Speed
| | ├value :000

| | └Channel :000
| ├DMX Mode 2 DMX channel mode 2(3 ch in default), same as DMX mode 1
| ├DMX Mode 3 DMX channel mode 3(5 ch in default), same as DMX mode 1
| └DMX Mode 4 DMX channel mode 4(7 ch in default), same as DMX mode 1
├Color Mode
| ├Color Mode: RGB
| └Color Mode: HSV
└DMX Break Options setup when DMX breaks
  ├Stop Run
  ├Hold Run
  ├Auto Run
  └Sound Run

4. Scene Menu

├Red :000
├Green :000
├Blue :000
├Dimmer :000
└Strobe :000

5. Program Menu

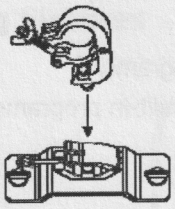
├Dimmer :000
├Strobe :000
├Speed :000
└Macro Edit
  ├Macro Steps:07 Macro steps
  ├Step 01
  | ├ProgSel Program selection
  | | ├Program 1
  | | ├Program 2
  | | .....
  | | └Program 15
  | └Attribute
  | ├Broadcast
  | └FlowLED
  | ├Clear Weather to clear scenes
  | | ├ [Yes] No yes
  | | └ Yes [No] no
  | ├First
  | | ├Left
  | | ├Right
  | | ├Inner
  | | └Outer
  | ├Second
  | ├Third

| └Fourth
├Step 02
.....
└Step 07

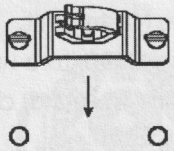
Fixture Installation

When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.

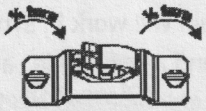
Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.



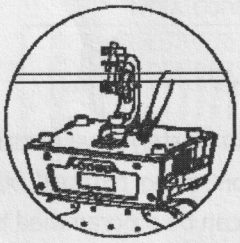
Screw clamp onto the Omega-holder



Insert quick lock fasteners into the installation holes



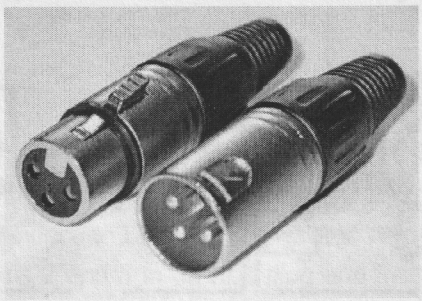
Tighten quick-lock fasteners fully clockwise.



Use safety-cable for second protection

DMX Cable Requiremets:

The LED moving head iShow 3010 QZ wash can be controlled via standard DMX-512 protocol. This unit has 12 DMX channels which can be set up on LCD panel. You need to use a standard 3-pin XLR connector for data input and output.



To ensure proper DMX data transmission, when using several DMX units try to use the shortest cable path. The order in which units are connected in a DMX chain does not influent the DMX addressing. For example; a unit assigned a DMX address as 1 may be placed anywhere in a DMX line, at the beginning, or at the end,

or anywhere in the middle. When a unit is assigned a DMX address as 1, the DMX controller understands to send DATA assigned to address 1 to that unit, no matter where it positioned in the DMX chain.

Operating Modes

iShow 3010 QZ wash can work in the following modes:

- DMX control mode: this function will allow you to control individual unit traits with a standard DMX 512 controller.
- Master/Slave mode: one unit will work as the Master in one of the above three modes, other units in the chain will work in synchronization with the Master unit.
- Stand Alone mode: at this operation mode, the fixture will run the preset programs.
- Sound-Activated mode: the unit will respond to sound, chasing through the built-in programs.

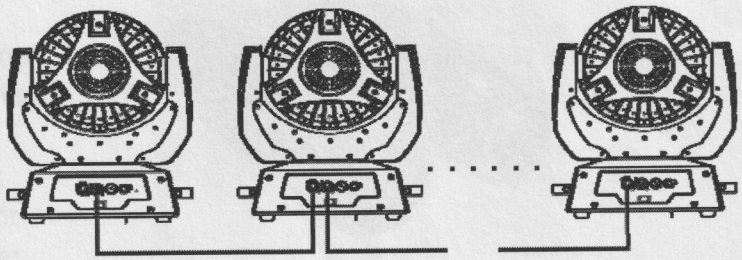
Stand Alone Mode

Following up the "LCD Display Setup" to set up your fixture to Stand Alone mode. The fixture will run built-in programs by itself.

Master/slave Mode

This function allows you to link fixtures together to run in a Master/Slave mode. In Master/Slave operation, one fixture will act as the controlling fixture and the rest will react to the controlling fixtures' built-in programs. Any fixture can act as a Master or as a Slave; however, only one fixture can be programmed to act as the "Master".

Daisy chains your fixtures via the XLR connector on the rear of the fixture. Remember that the Male XLR connector is the input and the Female XLR connector is the output. The first fixture in the chain (Master) will use the female XLR connector only. The last fixture in the chain will use the male XLR connector only. The fixture in the chain must be the same fixtures, DO NOT mix fixtures.



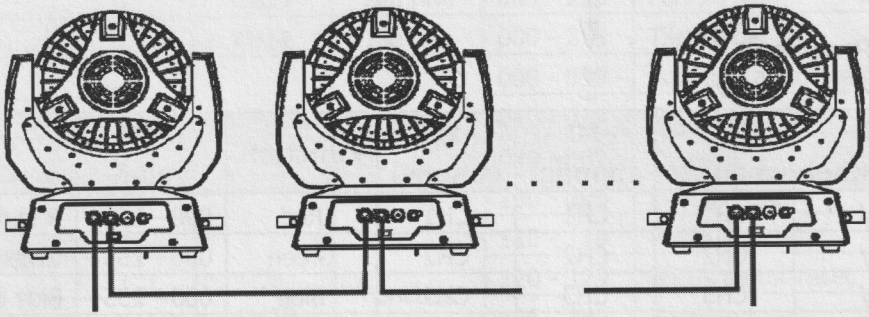
Master Slave Slave

DMX mode

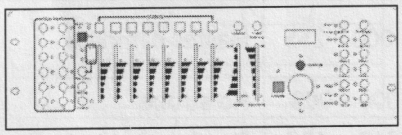
Operating through a DMX controller give the user the freedom to create their own programs tailored to their own individual needs.

1. This function will allow you to control each individual unit with a standard DMX 512 controller.
2. This device has 12 DMX channels. Please refer to below for DMX channel details.
3. To run the unit in DMX mode, plug in the unit via the XLR connector to any standard DMX controller. To set up DMX address, please refer to the instructions in **"LCD Display Setup Menu"**.

Cabling Fixtures



DMX controller



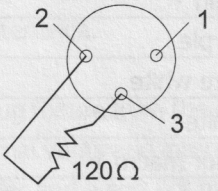
DMXterminator

DMX Terminator

In DMX Controller mode, at the last fixture in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals.

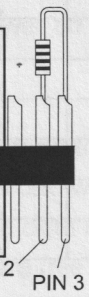
The DMX terminator is simply an XLR connector with a 90 - 120Ω (ohm) 1/4 watt resistor connected across pins 2 and 3 of a male XLR connector (DATA+ and DATA-). This terminator is then plugged into the output socket on the last fixture in the daisy chain to terminate the line. Using a cable terminator will decrease the possibilities of erratic behavior.

The connections are illustrated below.



DMX TERMINATOR CONNECTION

Connect a 120Ω(OHM) resistor across pins 2 and 3 in an XLR plug and insert into the DMX OUT socket on the last unit in the chain.



DMX Start Address Setup

Each fixture must be given a DMX star address so that the correct projector responds to the correct control signals. This DMX address is the channel number from which the projector starts to "listen" to the digital control information being sent out from the controller.

This fixture has 9 DMX channels. To set up DMX starting address for the fixtures, press <**ENTER**>, and the LED display will show DMX control mode. Press <**UP**> or <**DOWN**> to set up the fixture start address. When DMX start address is set up, press <**ENTER**> to save the setup.

DMX Protocol

DMX Channel mode 1 2 3 4

5 channel	8 channel	10 channel	15 channel	Function	DMX value	Description
/	CH1	CH1	CH1	Red	000 - 255	Red dimming 0-100%
/	CH2	CH2	CH2	Green	000 - 255	Green dimming 0-100%
/	CH3	CH3	CH3	Blue	000 - 255	Blue dimming 0-100%
/	CH4	CH4	CH4	White	000 - 255	White dimming 0-100%
CH1	/	CH5	CH5	Master dimming	000 - 255	Master dimming
/	/	CH6	CH6	Strobe	000 - 009	No strobe
/	/				010 – 127	Synchronizing strobe
/	/				128 – 137	No strobe
/	/				138 - 255	Random strobe 1-25Hz
CH2	CH5	CH7	CH7	Movement	000 – 255	Pan
CH3	CH6	CH8	CH8		000 - 255	Tilt
CH4	CH7	CH9	CH9		000 - 255	Pan and Tilt speed control
CH5	CH8	CH10	CH10	Focus	000 - 255	Focus 10-60 degrees
/	/	/	CH11	Program	000 - 049	RGB mode
/	/	/			***025 - 029***	***Reverse of RGB smooth***
/	/	/			050 - 059	Blackout
/	/	/			060 – 069	Red
/	/	/			070 - 079	Green
/	/	/			080 - 089	Blue
/	/	/			090 – 099	Yellow
/	/	/			100 – 109	Cyan
/	/	/			110 – 119	Purple
/	/	/			120 – 129	Pure white
/	/	/			130 – 139	White
/	/	/			140 -149	Color macro 1
/	/	/			150 - 159	Color macro 2

LD beim LED-Commander bei Bedarf Manuale mode

/	/	/	CH11	Program	160 - 169	Color macro 3
/	/	/			170 - 179	Color macro 4
/	/	/			180 - 189	Color macro 5
/	/	/			190 - 199	Color macro 6
/	/	/			200 -209	Color macro 7
/	/	/			210 – 219	Color macro 8
/	/	/			220 - 229	Color macro 9
/	/	/			230 - 255	Void
/	/	/			***250 -254***	***Fixture reset after 8 seconds***
/	/	/	CH12	Speed	000 – 004	Normal speeds
/	/	/			005 - 255	Speed up from slow to fast
/	/	/	CH13	Pan fine	000 - 255	Pan 16 bit
/	/	/	Ch14	Tile fine	000 - 255	Tile 16 bit
/	/	/	CH15	Function alternate	000 - 009	Function alternate OFF
/	/	/			010 - 019	Sound activation
/	/	/			020 - 099	Reserved
/	/	/			100 - 109	Fixture reset
/	/	/			110 - 119	Pan/Tile reset
/	/	/			120 - 129	Focus motor reset
/	/	/			130 - 149	Reserved
/	/	/			150 - 159	Pan reverse
/	/	/			160 - 169	Tilt reverse
/	/	/			170 - 179	Pan angle
/	/	/			180 - 189	Scan blackout
/	/	/			190 - 199	Manual reset
/	/	/			200 - 255	Reserved

MAINTENANCE

To maintain optimum performance and minimize wear fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As s general rule, fixtures should be cleared at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off fixture before conduction maintenance.

Unplug fixture from the mains. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean all glass when the fixture is cold with a mild solution of glass cleaner and a soft lint free cotton cloth or lens tissue. Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens. Gently polish optical surfaces until they are free of haze and lint.

The operator has to make sure that the safety-related and machine-technical installations are to be inspected by an expert after every four years in the course of an acceptance test.

The operator has to make sure that safety-related and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

1. All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
2. There may not be any deformations on housings, fixations and installation spots.
3. Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
4. The electric power supply cables must not show any damages or material fatigue.
5. Make sure connections are clean and totally dry before linking equipments or supplying electric power.
6. Due to fog residue, smoke and dust, cleaning the internal and external optical lenses must be carried out periodically to optimize light output. You should keep the device clean, otherwise, this device will loose its light output. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid, Wipe lens clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.
7.

TROUBLE SHOOTING

This troubleshooting guide is just to help you to solve simple problems. Should problems not been solved by the following solutions, DO NOT open the unit, as this may damage the unit and the warranty will become void. The correct way is to consult the dealer, or return the unit to them.

The common problems that users may encounter while using this unit are listed below with solutions:

Problems	Solutions
Unit does not respond to DMX control	Check if the DMX cables are connected properly, and if the DMX cables are wired correctly. Also check if all cables are connected to the right connectors.
No light	1. Check if the unit is plugged into a appropriate power supply; 2. Return the unit to the dealer.
Unit does not respond to sound	1. Quiet or high pitched sounds will not activate the unit. If problems are not resolved, contact your dealer for service.

WARRANTY

W&T International Ltd. hereby warrants, to the original purchaser, our products to be free of manufacturing defects in material and workmanship for a period of TWO years (730 days) from the date of purchase. It is the owner's responsibility to establish the data and place of purchase by acceptable evidence, at the time service is sought. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which W&T concludes, after inspecting, affects the reliability of the product; if the product has been repaired or serviced by anyone other than W&T unless prior written authorization was issued to purchaser by W&T International Ltd... If the product is damaged because of not properly maintained as set forth in the user's manual. No warranty, whether expressed or implied, is given or made with respect to any accessory supplier with products described above. The consumer's and or Dealer's sole remedy shall be such repair or replacement as is expressly provided.; and under no circumstances shall W&T be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product. This warranty is the only written warranty applicable to W&T International Ltd... Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published. W&T reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

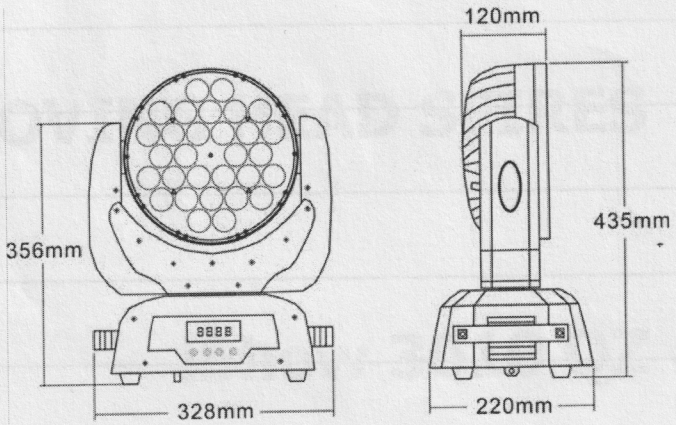
CLAIMS

Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise. It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Any other claim for items such as missing components/part, damage not related to shipping, and concealed damage, must be made within seven days of receiving merchandise.

SPECIFICATIONS

Electrical	
Power supply	90~260V AC, 50/60Hz
Power consumption	350W
Photometric data	
Light source	30x10W RGBW quad color LEDs
LED lamp rated life	80,000 hours
Beam angle	10° ~ 60°
Physical	
Housing color	Black
Housing material	ABS
Cooling system	Forced air convection, 3 super quiet fans inside
IP rating	IP20
Fixture dimensions	328 x 356 x 220 mm
Net weight	11.5 kg
Control and programming	
DMX channels	15 channels
Setting and addressing	Control panel with LCD display, LCD lockable
Other operation modes	Master/Slave mode; Auto run mode; Sound Activated mode
Preset program	8 built-in color macros can be trigged via DMX desk
Dynamic effects	
Color changing effects	Excellent color mixing with highly even and uniform distribution of brightness and light output. RGBW color mixing and rainbow effects
Color temperature	Color temperature adjustable 3,200~10,000°K
Strobe	Variable electronic strobe 0~25 F.P.S, random strobe
Dimmer	Variable electronic dimming 0 -100%
Pan	540° or 630° (8/16 bit movement resolution), automatic self-correction.
Tilt	270° (8/16 bit movement resolution), automatic self-correction.
Other features	
	Battery backup, fixtures can be set up DMX address and other configurations without power connection; Random strobe available; Fixtures can strobe asynchronously in master/slave mode; Electronic strobe with pulse effect; Fan speed adjustable; Reset fixture with DMX desk;
Working environment	
Working temperature	-20° C ~ +40° C
Ambient humidity	10% ~ 90%
Thermalstat	Built-in thermalstat for overheating protection

Dimensions



NOTE: Due to improvement, the product specifications and this manual are subject to change without prior notice

MEMO:

LED MOVING HEAD SEIRES

iShow 3010 QZ

USER'S MANUAL

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